

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

1. (Currently Amended) Carpet tiles comprising tile edges and textile faces, each face having a pattern comprising a plurality of shapes having shape edges, wherein:
 - a. at least some of the shapes comprise at least one shape edge that parallels at least one tile edge;
 - b. the pattern comprises at least a background color and a first color different from the background color and of similar intensity to the background color;
 - c. at least some adjacent shapes on each tile comprise at least one common color, and
 - d. when the tiles are assembled on a flooring surface so that each tile is adjacent to and abuts at least one other tile, the tiles [[that]] exhibit orthogonal ambiguity without pattern alignment between adjacent tiles.
2. (Previously presented) The carpet tiles of claim 1, wherein the tiles have tufted faces.
3. (Previously presented) The carpet tiles of claim 1, wherein the tiles have woven faces.
4. (Previously presented) The carpet tiles of claim 1, wherein the tiles have fusion bonded faces.
- Claims 5-9. (Cancelled).
10. (Currently Amended) The carpet tiles of claim [[7]] 1, wherein at least one shape of the pattern comprises only the background color.

11. (Currently Amended) The carpet tiles of claim [[7]] 1, wherein at least one shape of the pattern comprises the background color and the first color.
12. (Currently Amended) The carpet tiles of claim [[7]] 1, wherein the pattern further comprises a second color different from the background color and the first color.
13. (Previously presented) The carpet tiles of claim 12, wherein the background color, the first color, and the second color have similar intensities.
14. (Currently Amended) The carpet tiles of claim 12, wherein at least one shape of the pattern comprises only the background color and the second color.
15. (Currently Amended) The carpet tiles of claim 12, wherein at least one shape of the pattern comprises the background color, the first color, and the second color.
16. (Previously presented) The carpet tiles of claim 12, wherein the pattern further comprises a third color different from the background color, the first color, and the second color.
17. (Previously presented) The carpet tiles of claim 16, wherein the background color, the first color, the second color, and the third color have similar intensities.
18. (Currently Amended) The carpet tiles of claim 16, wherein at least one shape of the pattern comprises only the background color and the third color.
19. (Currently Amended) The carpet tiles of claim 16, wherein at least one shape of the pattern comprises only the background color, the second color, and the third color.
20. (Cancelled).

21. (Previously presented) Floorcovering comprising at least two carpet tiles of claim 1 positioned side-by-side.

22. (Currently Amended) Floorcovering comprising at least two carpet tiles of claim 1 positioned side-by-side wherein each tile pattern further comprises ~~a pattern formed by a second color background color and at least two colors~~ different from the background color, wherein the background color and at least one of the ~~at least two colors different from the background~~ first color and the second color are the same for the at least two ~~orthogonally ambiguous~~ carpet tiles.

Claims 23-26. (Cancelled).

27. (Previously presented) The carpet tiles of claim 1, wherein the tiles are square.

28. (Cancelled).

29. (Cancelled).

30. (Currently Amended) The carpet tiles of claim ~~[[29]]~~ 1, wherein the pattern comprises at least one rectangular shape ~~comprises~~ having shape edges parallel to a first pair of opposed edges of the tile on which the at least one rectangular shape appears and shape edges parallel to a second pair of opposed edges of the tile on which the at least one rectangular shape appears.

Claims 31-39. (Cancelled).

40. (Withdrawn) A method of producing the floorcovering of claim 21 comprising forming carpet tiles having textile faces exhibiting orthogonal ambiguity and positioning the carpet tiles side-by-side on a flooring surface in any side-by-side or rotational orientation relative to each other.

41. (Withdrawn) A method of producing the carpet tiles of claim 1 comprising forming carpet tiles having an orthogonally ambiguous pattern that does not require pattern alignment between adjacent tiles.
42. (Withdrawn) The method of claim 41, wherein the carpet tiles are formed by designing a pattern for a carpet web, producing the carpet web with the pattern, and cutting the carpet web into the tiles.
43. (Withdrawn) The method of claim 42, wherein the pattern for the carpet web is designed by:
- a. selecting a background color for the carpet web;
 - b. using a plurality of colors, including the background color, to form shapes on the carpet web; and
 - c. designing and positioning the shapes on the carpet web so that at least one shape has at least one straight side parallel to an edge of the carpet web and adjacent shapes have at least one common color.
44. (Withdrawn) The method of claim 42, wherein the carpet web is produced using a tufting machine.
45. (Withdrawn) The method of claim 41, wherein the carpet tiles are formed by printing the pattern on the tiles.

Claims 46-73. (Cancelled).

74. (Currently Amended) ~~The Orthogonally-ambiguous carpet tiles of claim 1, comprising a pattern of shapes, at least one of which shapes on each tile is formed by a straight line oriented parallel to an edge of the carpet tile on which the at least one shape appears, wherein at least some of the shapes of the pattern on each tile are further~~ formed from at least one of a plurality of colors comprising at least ~~[[a]]~~ the background color, ~~[[a]]~~ the first color, and a second color,

wherein at least one of the shapes on each tile is formed from the background color only, at least one of the shapes on each tile is formed from the background color and the first color only, at least one of the shapes on each tile is formed from the background color and the second color only, and at least one of the shapes on each tile is formed from the background color, the first color, and the second color, wherein the background color, the first color, and the second color have similar intensities ~~and wherein adjacent shapes on the tiles comprise at least one common color.~~

Claims 75-78. (Cancelled).

79. (Withdrawn) A carpet web having a width and a length and comprising a textile face having a pattern comprising a plurality of shapes formed by a plurality of colors, wherein at least some adjacent shapes on the web comprise a common color and none of the shapes extends the full length or width of the web, wherein the web is separable into carpet tiles so that the tiles cut from the web all comprise a common color and at least a portion of at least some of the plurality of shapes appear on each carpet tile cut from the web, each of which shapes having an edge that parallels at least one edge of the carpet tile on which it appears.

80. (Withdrawn) The web of claim 79, wherein the face is tufted and the plurality of colors comprises a first color and a second color, wherein at least some of the plurality of shapes are formed by yarn tufts of the first color and the second color, at least some of the yarn tufts of the first color having a height greater than at least some of the yarn tufts of the second color proximate the tufts of the first color.

81. (Withdrawn) The web of claim 79, wherein at least some of the plurality of shapes are rectangular shapes.

82. (Currently Amended) A carpet Carpet tiles cut from [[the]] a carpet web [[of claim 79]] having a width and a length and comprising a textile face having a pattern comprising a plurality of shapes formed by a plurality of colors, wherein at least some adjacent shapes on the web

comprise a common color and none of the shapes extends the full length or width of the web, wherein:

a. the carpet tiles cut from the web all comprise a common color and at least a portion of at least some of the plurality of shapes appear on each carpet tile cut from the web, each of which shapes having an edge that parallels at least one edge of the carpet tile on which it appears; and

b. when the tiles are assembled on a flooring surface so that each tile is adjacent to and abuts at least one other tile, the tiles exhibit orthogonal ambiguity without alignment of shapes between adjacent tiles.

83. (Currently Amended) The carpet tiles of claim 82, wherein the tiles ~~[[is]]~~ are square.

84. (Currently Amended) The carpet tiles of claim 82, wherein at least some of the plurality of shapes appearing on ~~[[the]]~~ each carpet tile comprise straight edges, and wherein at least one of the straight edges of each shape parallels a first pair of opposed edges of the carpet tile on which the shape appears and at least one of the straight edges of each shape parallels a second pair of opposed edges of the carpet tile on which the shape appears.

85. (Currently Amended) Floorcovering comprising a plurality of carpet tiles ~~cut from the web of claim 79 and positioned~~ of claim 82 assembled on a flooring surface so that each tile is adjacent to and abuts at least one other tile.

86. (Cancelled).

87. (Withdrawn) A method of producing the floorcovering of claim 75 comprising forming carpet tiles having textile faces exhibiting orthogonal ambiguity and positioning the carpet tiles side-by-side on a flooring surface in any side-by-side or rotational orientation relative to each other.

88. (Withdrawn) A method of producing the carpet tiles of claim 50 comprising forming carpet tiles having an orthogonally ambiguous pattern.

89. (Withdrawn) The method of claim 88, wherein the carpet tiles are formed by designing a pattern for a carpet web, producing the carpet web with the pattern, and cutting the carpet web into the tiles.

90. (Withdrawn) The method of claim 89, wherein the pattern for the carpet web is designed by:

- a. selecting a background color for the carpet web;
- b. using a plurality of colors, including the background color, to form shapes on the carpet web; and
- c. designing and positioning the shapes on the carpet web so that at least one shape has at least one straight side parallel to an edge of the carpet web and adjacent shapes have at least one common color.

91. (Withdrawn) The method of claim 89, wherein the carpet web is produced using a tufting machine.

92. (Withdrawn) The method of claim 88, wherein the carpet tiles are formed by printing the pattern on the tiles.

Claims 93-95. (Cancelled).